

Shungnak Heat Recovery Expansion

FY2022 Request: \$1,303,607
Reference No: 63450

AP/AL: Allocation**Project Type:** Energy**Category:** Development**Location:** Shungnak**House District:** Arctic (HD 40)**Impact House District:** Arctic (HD 40)**Contact:** Curtis Thayer**Estimated Project Dates:** 07/01/2021 - 06/30/2026**Contact Phone:** (907)771-3000**Appropriation:** Alaska Energy Authority - Round XIII Renewable Energy Project Grants (AS 42.45.045)**Brief Summary and Statement of Need:**

The proposed project will expand the heat recovery system in Shungnak, AK to provide heat for the health clinic, cookhouse community center, VPSO housing, and community store, displacing an estimated 14,036 gallons of fuel oil being used annually in these community facilities, for an estimated cost savings of \$115,797 per year at the current fuel price of \$8.25 per gallon. The heat recovery system currently serves the collective heating needs of the water treatment plant and city office.

| Funding: | FY2022 | FY2023 | FY2024 | FY2025 | FY2026 | FY2027 | Total |
|--------------------|--------------------|---------------|---------------|---------------|---------------|---------------|--------------------|
| 1210 Renew Ener | \$1,303,607 | | | | | | \$1,303,607 |
| Total: | \$1,303,607 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,303,607 |

☐ State Match Required
 ☒ One-Time Project
 ☐ Phased - new
 ☐ Phased - underway
 ☐ Ongoing
 0% = Minimum State Match % Required
 ☐ Amendment
 ☐ Mental Health Bill

Operating & Maintenance Costs:

| | <u>Amount</u> | <u>Staff</u> |
|----------------------|---------------|--------------|
| Project Development: | 0 | 0 |
| Ongoing Operating: | 0 | 0 |
| One-Time Startup: | 0 | 0 |
| Totals: | 0 | 0 |

Prior Funding History / Additional Information: